15-16

18/5/15

Executive Engineer
Bommanahalli Division
Bruhat Bangalore Mahanagara Palike
Bangalore-560 068

I st And Final Bill — Work code - 006-14-00007

BR-206/31-10-15 — Est Cost Rs - 60.00 Lacs

M. A. R. 57 (Rule 116)
Measurement Book
No. B

Serial No. .....

Name of Work Improvements to Roads and Drains At Hegdenagara From I st And 2 nd To Main Road in ward No. 06 in Hegadenagara village limits

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name & Contractor - M/S Technical Manager (West) KRIDL BBMP. Bangalore						
	Work order no - EE/BTP/BBMP/KRIDL/W.O/667/2013-14						
(1)	Earth work Excavation by manual means in a hard soil including an average horizontal throw up to 9 meters and an average lift up to 0.30 m or						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Excavated Surface leveled and sides neatly dressed the dispersed earth to be leveled neatly after breaking & clods complete as per Specification. As per Pre-measurment recorded vide Page No.. 262250 to 262256 & This MB 1228.50 m^3 Rate 90:72						111450:00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
2)	Removing B S as per Specifi increase & the As per Pre Page no. 2 Rate 50:11

	Contents	Reference to last Measurement
	7	8
	d sides nearly to be levelled ds Compressed as Per	
	nt recorded vide 2256 & this MB	
	1228.50 m^3	111450.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262202

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2)	Removing B S slag Drain and Stacking Compressed as per Specification and direction of engineer incharge & sue course. As per Pre-measurement recorded vide Page no. 262256 to 262259					3725.70 m^2	& this MB 186695.00
	Rate 50.11						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rate 10:53					6209.50 m²	
							65386:00
8)	Providing and applying Primer coat from 12.2 to 14.6 kg per 10 sq.m or per surface sur with over prepared surface & granular base with cut back MC-70 or any other bitumen mixed with diesel as 13 kg per 10 sq.m heated in bitumen boiler fitted with spray set Complete as per Specificatio						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	As per Pre Page no. 2
	Rate 142:07
9)	Providing and Conc ese 25 m type HMP produ

Contents	Reference to last Measurement
7	8
6209.50 m²	68386.00
er coat from	
en surface on	
granular base	
ver bitumen mixed	
heated in bitumen	
ese as per Specifica	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 262207

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per Pre-measurement recorded vide Page No. 262275 to 262280 & this MB.					6209.50 m²	88218.40
	Rate 142.07						
9)	Providing and laying Semi dense bituminous Concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	per hour using Crushed aggregates of Specified graded premixed with bituminous binder at 4.5 to 5% of mix and laying transporting the hot mix to work site laying with hydrostatic paver finisher with sensor control to required grade level and alignment rolling with smooth wheeled vibratory and tandem compactor as per specification I st cross.						
		1	30.00	$\frac{(5.70+5.10)}{2}$	× 0.025	4.05	
		1	30.00	$\frac{(5.10+5.50)}{2}$	× 0.025	3.97	

C & F

Vanu

9/10/15

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2

Contents	Reference to last Measurement
7	8
...ses & Spread	
...binder at 4.5%	
...y the hot mix	
...stance power	
...rained grade	
...h smooth wheeled	
...e as per Specification	
25 4.05	C&FC
5 3.97	9/10/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262208

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.50 + 6.00)/2	x0.025	4.31	C&FC
		1	30.00	(5.60 + 5.40)/2	x0.025	4.12	
		1	30.00	(5.40 + 6.0)/2	x0.025	4.27	
		1	30.00	(6.0 + 6.20)/2	x0.025	4.57	
		1	6.00	6.00	0.025	0.90	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd cross.	1	30.00	$\frac{(6.0+5.50)}{2}$	x 0.025	4.34	
		1	30.00	$\frac{(5.50+5.80)}{2}$	x 0.025	4.23	
		1	13.00	$\frac{(5.80+5.60)}{2}$	x 0.025	1.85	
		1	30.00	$\frac{(5.10+5.30)}{2}$	x 0.025	3.90	
		1	30.00	$\frac{(5.30+5.50)}{2}$	x 0.025	4.05	
		1	30.00	$\frac{(5.50+5.80)}{2}$	x 0.025	4.23	

C & FC

Ramu
9/10/15

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

OK

Depth 6	Contents 7	Reference to last Measurement 8
(.50)		
0.025	4.31	
(5.80)		
0.025	4.23	
(5.60)		
0.025	1.85	
(5.30)		
0.025	3.90	
(5.50)		
0.025	4.05	
(5.80)		
0.025	4.23	

C & FC

Ramesh
9/10/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262209

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	(5.90+5.40)/2	x0.025	4.23	
		1	30.00	(5.40+5.60)/2	x0.025	4.12	
		1	30.00	5.60	0.025	4.20	
		1	5.00	(5.60+5.55)/2	x0.025	0.69	
		1	30.00	(5.50+5.70)/2	x0.025	4.20	
		1	30.00	(5.70+5.65)/2	x0.025	4.25	

C & FC

Ramesh
9/10/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd Crossing.	1	30.00	5.65	0.025	0.42	C&FC Vaucher 9/12/15
		1	30.00	$\frac{(6.0+5.60)}{2}$	x 0.025	4.35	
		1	30.00	$\frac{(5.60+5.55)}{2}$	x 0.025	4.18	
		1	30.00	5.55	0.025	4.16	
		1	30.00	5.60	0.025	4.20	
		1	30.00	$\frac{(5.60+5.70)}{2}$	x 0.025	4.23	
		1	30.00	$\frac{(5.70+5.85)}{2}$	x 0.025	4.33	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	4th Crossing.	

th	Contents 7	Reference to last Measurement 8
25	0.42	
0)		
25	4.35	C&FC
55)		Ramesh
25	4.18	9/10/15
25	4.16	
25	4.20	
-0)		
025	4.23	
85)		
025	4.33	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262210

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	5.00	5.85	0.025	0.73	
		1	30.00	(5.50+5.40)/2	x0.025	4.08	
		1	30.00	(5.40+5.50)/2	x0.025	4.08	
		1	4.00	5.00	0.025	0.50	
	4th Crack.	1	30.00	(5.50+5.40)/2	x0.025	4.08	
		1	30.00	5.40	0.025	3.75	

C&FC
Ramesh
9/10/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.40 + 5.45) / 2	x 0.025	4.06	
		1	2.00	5.45	0.025	0.27	
		1	30.00	(5.85 + 5.80) / 2	x 0.025	4.36	
		1	30.00	(5.80 + 5.90) / 2	x 0.025	4.38	
		1	30.00	(5.90 + 6.0) / 2	x 0.025	4.46	
		1	6.00	6.00	0.025	0.90	

C&FC

9/10/15

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	6 M Cross.

OK

Depth 6	Contents 7	Reference to last Measurement 8
(5.45)		
0.025	4.06	
0.025	0.27	C&FC
(5.80)		Ramesh
0.025	4.36	9/10/15
(5.90)		
0.025	4.38	
(5.0)		
0.025	4.46	
0.25	0.90	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262211

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	6" C'work.	1	30.00	(5.90 + 6.6) / 2	x 0.025	4.46	C&FC Ramesh 9/10/15
		1	30.00	(6.0 + 5.80) / 2	x 0.025	4.42	
		1	10.00	(5.80 + 5.60) / 2	x 0.025	1.42	
		1	30.00	(6.20 + 5.90) / 2	x 0.025	4.53	
		1	30.00	(5.90 + 5.80) / 2	x 0.025	4.38	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7 M Crack.	1	18.00	5.80	0.025	2.61	
		1	30.00	$\frac{(5.80+5.65)}{2}$	x 0.025	4.29	
		1	30.00	$\frac{(5.65+5.40)}{2}$	x 0.025	4.14	
		1	19.00	5.40	0.025	2.56	
						155.24 m³	
	Rate 9981:36						1549506:00

C&FC
9/10/15

Check (1) (2)

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
10)	Lead for Disposa as Carriage raise loading unloadin as per Specifica Quarry vide	
	Rate 72:71	

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
5.80	0.025	2.61	
(5.80 + 5.65) / 2	x 0.025	4.29	C&EE Varun 9/10/15
(5.65 + 5.40) / 2	x 0.025	4.14	
5.40	0.025	2.56	
		155.24 m³	
			1549506:00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262212

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
10)	Lead for Disposal of Debris shall be payable as carriage rates by mechanical means including loading unloading from 0.000 to 2.000 KM complete as per specification. Quantity vide item no. (1) Page 72:71					1228.50 m³	89324:00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total Rs -		5348860 :
	ADD 1% Third Party QC Charges Rs -						53488 : 6
	ADD 10% KRIDC Charges Rs -						534886 : 0
	ADD 1% Labour cess Rs -						53488 : 6
					Total Rs.		5990723 : 0
							59,37,235 = 0

Accepted all measurements with Full & Final settlement

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Certificate.

1) Certified that the work done Satisfactorily
2) This bill Amount has not been claimed in any of previous bill.

9/10/15

9/10/15

Removing and Resurfacing ASPHALT

Serial No. .....
Name of Work ..... WORK
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	4th cross 92.00 MW
	3rd cross 90.00 M
	2nd cross 90.00 M
	1st cross 90.00 M

Yalahanka He

OOK

Depth 6	Contents 7	Reference to last Measurement 8